

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-16		Page 1 of 7
Title: ISO 17025 Links to PDP SOPs		
Revision: Original	Replaces: N/A	Effective: 04/01/04

1. Purpose:

To provide reference links between USDA Pesticide Data Program (PDP) Standard Operating Procedures (SOPs) and ISO 17025 section requirements.

2. Scope:

This SOP is provided as a reference/guideline for PDP laboratories.

3. Outline of Procedure:

- Table 1: Links for USDA PDP SOPs to Applicable ISO 17025 Sections

4. Specific Procedures:

This SOP is presented as a guideline/reference for use by PDP laboratories.

Table 1. Links for USDA PDP SOPs to Applicable ISO 17025 Sections

USDA PDP SOPs	USDA PDP SOP Title	ISO 17025 section #	ISO 17025 section title
PDP-ADMIN-01	Facilities	5.3	Accommodation and environmental conditions
PDP-ADMIN-02	Personnel and Organization	4.1.5.a, 5.2.5	Organization/management and technical personnel Personnel/authorized personnel
PDP-ADMIN-03	Training/Personnel Records	5.2.2, 5.2.4	Personnel/training policies and procedures Personnel/job descriptions
PDP-ADMIN-04	Equipment	5.5.1	Equipment/required equipment

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USDA PDP SOPs	USDA PDP SOP Title	ISO 17025 section #	ISO 17025 section title
PDP-ADMIN-05	Laboratory Safety	5.3.2	Accommodation and environment conditions/monitoring
PDP-ADMIN-06A	USDA/AMS Quality Assurance Unit (QAU)	5.9	Assuring the quality of test results
PDP-ADMIN-06B	Laboratory Quality Assurance Unit (QAU)	5.9	Assuring the quality of test results
PDP-ADMIN-07	Preparation of SOPs	4.2.3, 5.4	Quality system/quality manual Test methods and method validation
PDP-ADMIN-08	Historical SOP File	4.3.2.2	Document control/document approval and issue
PDP-STD-01	Analytical Reference Standards Receipt and Storage	5.9	Assuring the quality of test results
PDP-STD-02	Analytical Reference Standards Preparation	5.9	Assuring the quality of test results
PDP-STD-03	Analytical Reference Standards Quality Control	5.9	Assuring the quality of test results
PDP-LABOP-1	Sample Receipt, Storage, Archiving, and Disposal	5.8.3, 5.8.4	Handling of test items/receipt Handling of test items/protection
PDP-LABOP-2	Chain of Custody Procedures	5.8.2	Identification of test items
PDP-LABOP-3	Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities	5.7.1, 5.8.4	Sampling/sampling plan and procedures Handling of test items/protection
PDP-LABOP-4	Method SOPs, Extraction, Clean-up, and Analysis	5.4	Test method and method validation
PDP-LABOP-5	Reagents Preparation, Labeling, and Storage	5.4.1	Test methods and method validation/general
PDP-LABOP-6	Glassware Calibration and Cleaning	5.5.1	Equipment/required equipment
PDP-LABOP-7	Waste Disposal	5.3.2	Accommodation and environmental /monitoring

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USDA PDP SOPs	USDA PDP SOP Title	ISO 17025 section #	ISO 17025 section title
PDP-LABOP-11	Peach Acute Dietary Risk Survey	5.8.3, 5.8.2, 5.7.1, 5.8.4, 5.10, 5.10.7, 5.9, 5.4	Handling of test items/receipt Identification of test items Sampling/sampling plan and procedures Handling of test items/protection Reporting of results Reporting of results/electronic transmission of results Assuring the quality of test results Test method and method validation
PDP-LABOP-12	Poultry and Beef Adipose, Liver, and Muscle Analysis	5.8.3, 5.8.2, 5.7.1, 5.8.4, 5.10, 5.10.7, 5.9, 5.4	Handling of test items/receipt Identification of test items Sampling/sampling plan and procedures Handling of test items/protection Reporting of results Reporting of results/electronic transmission of results Assuring the quality of test results Test method and method validation
PDP-LABOP-13	Receipt, Custody, Preparation, Packaging, and Shipment of PDP Homogenates	5.8.3, 5.8.2, 5.8.3, 5.8.4, 5.7.1, 5.8.4	Handling of test items/receipt Identification of test items Handling of test items/receipt Handling of test items/protection Sampling/sampling plan and procedures Handling of test items/protection
DATA-01	Data Reduction and Validation	5.10	Reporting of results
DATA-02	Reporting Results	5.10	Reporting of results
DATA-03	Quantitation and Confirmation of Pesticide Residues	5.10	Reporting of results

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USDA PDP SOPs	USDA PDP SOP Title	ISO 17025 section #	ISO 17025 section title
DATA-04	Data Submission, Storage, Retrieval, and Archiving	4.12	Control of records
DATA-05	Remote Data Entry (RDE) System	5.10.7	Reporting of results/electronic transmission of results
DATA-06	Data Review Requirements	5.9	Assuring the quality of test results
PDP-INST-01	Maintenance Procedures and Documentation	5.5.5	Equipment/inventory and maintenance records
PDP-INST-02	Equipment Calibration	5.5	Equipment
PDP-INST-03	Instrument SOPs and Manuals	5.5.6	Equipment/equipment procedures
PDP-INST-04	Injection Sequence	5.5.6	Equipment/equipment procedures
PDP-QC-01	Blanks and Spikes Required per Set	5.9	Assuring the quality of test results
PDP-QC-02	Initial Laboratory Evaluation	5.4	Test method and method validation
PDP-QC-3	Performance Evaluation of Technical Personnel	5.2.3	Personnel/employees
PDP-QC-04	Acceptability Criteria for Process Control and Fortification Recoveries	5.4	Test method and method validation
PDP-QC-05	Approval Process for Method Modification	5.4	Test method and method validation
PDP-QC-06	Minimum Requirements for GC/Quadrupole Mass Spectrometer Confirmation in EI Mode	5.5	Equipment
PDP-QC-07	Demonstration of Method Performance	5.4	Test method and method validation
PDP-QC-08	Control Charting of Data	5.9	Assuring the quality of test results
PDP-QC-09	Minimum Requirements for Confirmation Using GC/MS-MS	5.5	Equipment
PDP-QC-10	Determination of LOD and LOQ for Chromatographic Methods	5.4	Test method and method validation

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USDA PDP SOPs	USDA PDP SOP Title	ISO 17025 section #	ISO 17025 section title
PDP-QC-13	Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings	5.4	Test method and method validation
PDP-QC-14	Quality Assurance/Quality Control for Finished Drinking Water	5.8.3, 5.8.2, 5.7.1, 5.8.4, 5.10, 5.10.7, 5.9 5.4	Handling of test items/receipt Identification of test items Sampling/sampling plan and procedures Handling of test items/protection Reporting of results Reporting of results/electronic transmission of results Assuring the quality of test results Test method and method validation
PDP-Glossary	Glossary	3	Terms and definitions

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3/17/04

Reviewed By: Gail Parker

Date

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Original

August 2003

Kevin Worden and MPO

- Established links between PDP SOPs and ISO 17025 sections to be used as a guideline/reference by PDP laboratories